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BRITISH 20,137 / 1892

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Alfred Glossop Clark

20,137 of 1892

Fig. 1

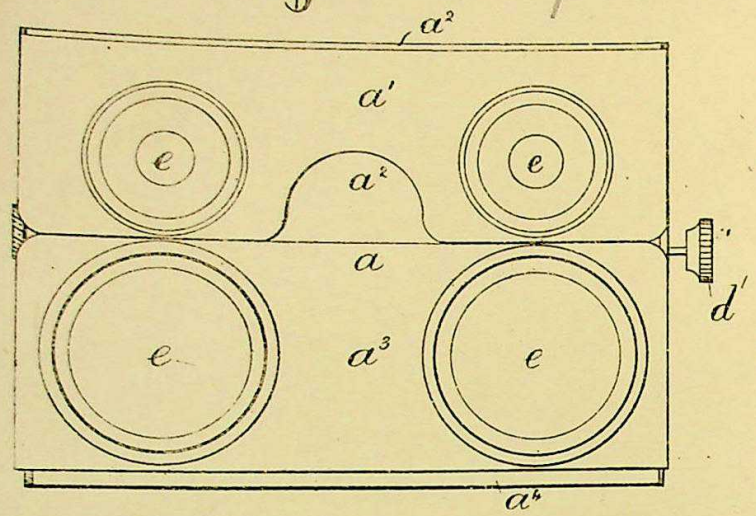


Fig. 2

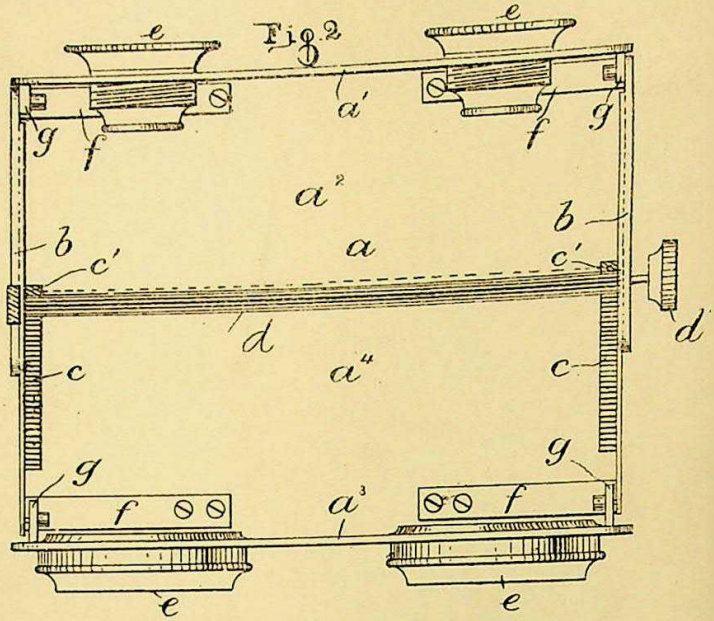
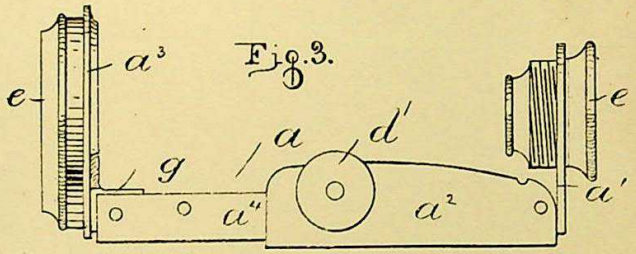


Fig. 3.



359/408

DUPLICATE

N° 20,137 A.D. 1892

Date of Application, 8th Nov., 1892
Complete Specification Left, 8th Aug., 1893—Accepted, 23rd Sept., 1893

PROVISIONAL SPECIFICATION.

Improvements in Opera, Field, and Marine Glasses.

I, HENRY MUNDAY CLARK, of 19, Grove Terrace, Highgate Road, in the County of London, Gentleman, do hereby declare the nature of this invention to be as follows :—

This invention relates to improvements in the construction of opera, field and marine glasses whereby they can be folded up when not in use into a relatively small compass so as to be adapted to be conveniently carried in the pocket.

In carrying out my invention instead of mounting the lens in telescopic tubes as hitherto I mount the lens in frames or plates the front frame being hinged to a top plate while the other frame is hinged to suitable guides adapted to the said top plate.

Any suitable means is employed for adjusting the plates relatively to one another to obtain the proper focus.

By this arrangement when the glass is not in use the frames are folded down one upon the other over the top plate into a flat rectangular shape.

The parts are kept in their closed position by any suitable means such as by springs or catches.

Dated the 8th day of November 1892.

G. F. REDFERN & Co.,
4, South Street, Finsbury, London, Agents for the Applicant.

COMPLETE SPECIFICATION.

Improvements in Opera, Field, and Marine Glasses.

I, HENRY MUNDAY CLARK, of 19, Grove Terrace, Highgate Road, in the County of London, Gentleman, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

This invention relates to improvements in the construction of opera, field and marine glasses whereby they can be folded up when not in use into a relatively small compass so as to be adapted to be conveniently carried in the pocket.

In carrying out my invention instead of mounting the lenses in telescopic tubes as hitherto I mount the same in frames or plates the front frame being hinged to a top plate while the other frame is hinged to suitable guides adapted to the said top plate.

Any suitable means is employed for adjusting the plates relatively to one another to obtain the proper focus.

By this arrangement when the glass is not in use the frames are folded down one upon another over the top plate into a flat rectangular shape.

The parts are kept in their closed position by any suitable means such as by springs or catches.

And in order that my invention may be the more readily understood, I have shown same upon the accompanying drawings wherein :

Fig. 1 is a plan view of the glasses closed,

Fig. 2 being a like view of same shown open, while

Fig. 3 is a side elevation of the glasses likewise open.

In each of these views, the glasses are shewn inverted for the purpose of more clearly shewing the construction.

[*Price* 8*d.*]

a is the frame of the glasses, consisting of a front plate a^1 hinged or pivoted to a top-plate a^2, and a back plate a^3 hinged or pivoted to another plate a^4 which slides within guides b formed by flanges on the downwardly depending sides of the top-plate a^2.

Racks c, formed with stops c^1 are provided on the lower face of the plate a^4, which racks engage with a pinion d suitably mounted in the sides of the plate a^3 and provided with a milled knob or thumb-piece d^1. This rack and pinion arrangement is for the purpose of adjusting the plates relatively to one another to obtain the requisite focus.

The lenses e are mounted in the back and front plates a^1 and a^3 as shown.

Flat springs f are provided on the under surface of the plate a^4 for the purpose of maintaining the back and front plates in their closed or open positions.

These flat springs f are depressed by the pivotal arms g of the said back and front plates a^1 and a^3 as shown.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

The improvements in opera, field, and marine glasses, substantially as described and illustrated in the accompanying drawing.

Dated this 8th day of August 1893.

HUGHES, SON & Co.,
38, Chancery Lane, London, Agents for the Applicant.

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